

DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. LAM1P152/P0692

As a below-named i	nventor, I hereby decla	re-that:				
My residence, post	office address and citiz	enship are as stated be	low next to my name.			
plural names are lis	ted below) of the subj	ect matter which is cla	ne name is listed below) or nimed and for which a pate LECTRICS, the specification	ent is sought on	st and joint inve the invention e	ntor (if ntitled:
(check one)	1. 🔀 is attac	ched hereto.				
	U.S. A	pplication No				
	Intern	ational PCT Application	on No			
I hereby state that amended by any an		understand the conter	ts of the above-identified		ncluding the cla	aims, as
I acknowledge the 37, CFR § 1.56.	duty to disclose inform	nation which is mater	al to the examination of the	nis application i	n accordance w	ith Title
Prior Foreign Ap	plication(s)					
for patent or invention than the United Sinventor's certification	tor's certificate, or § 3	665(a) of any PCT Int d have identified bel	States code, § 119(a)-(d) of ernational application which by checking the box, a filing date before that	ch designated at , any foreign a	least one count pplication for p	try othe atent c
claimed:	,				/ Benefits Claim	ed?
(Application No.)	(Cour	atry)	(Filing Date)	_		
(Application No.)	(Cour	ntry)	(Filing Date)	Yes	_ No	
Provisional Appl	ication(s)					
I hereby claim the	benefit under 35 U.S.C	C. §119(e) of any Unit	ed States provisional applic	cation(s) listed b	elow:	
(Application No.)		(Filing Date)				
(Application No.)		(Filing Date)				

Atty. Dkt. No.: LAM1P152/P0692

(Revised 3/29/99)

Page 1 of 3

Prior U.S. Application(s)

International application des application is not disclosed paragraph of Title 35, United as defined in Title 37, Code	ignating the United States, listed below in the prior United States or PCT I i States Code, § 112, I acknowledge th	20 of any United States application(s), or § 365(c) of any PCT v and, insofar as the subject matter of each of the claims of this international application in the manner provided by the first e duty to disclose information which is material to patentability ecame available between the filing date of the prior application
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
Power of Attorney		
And I hereby appoint the law Number 022434 as my print Office connected therewith.	w firm of Beyer Weaver & Thomas, lacipal attorneys to prosecute this application	LLP and all practitioners who are associated with the Customer cation and to transact all business in the Patent and Trademark
Direct Correspondence To	Customer Number BEYER WEAVER & THO P.O. Box 778 Berkeley, CA 94704	OMAS, LLP 22434
belief are believed to be tru like so made are punishable	tements made herein of my own know e; and further that these statements wer	hone number (831) 655-2300 ledge are true and that all statements made on information and re made with the knowledge that willful false statements and the der section 1001 of Title 18 of the United States Code, and that lication or any patent issuing thereon.
Typewritten Full Name of Sole or First Inventor: Inventor's signature:	Chok w. Ho	Citizenship: USA Date of Signature: 10 February 200 (
_		(State/Country)CA/USA
Residence: (City) Milpitas Post Office Address: 372 Meadowhaven Way, Mi		
Typewritten Full Name of Second Inventor: Inventor's signature:	KUO-LUNG TANG	Citizenship: <u>Taiwan</u> Date of Signature:
Residence: (City)	Hsin-Chu	(State/Country)Taiwan/ROC

Atty. Dkt. No.: LAM1P152/P0692

(Revised 3/29/99)

Post Office Address: 9F, No. 310, Lane 1050, Ming-Hu Rd., Hsin-Chu, Taiwan, R.O.C.

Typewritten Full I Third Inventor:	Name of	CHUNG-JU LEE	Citizenship:	Taiwan
Inventor's signa	ture:		Date of Signature:	
Residence:	(City)	Hsin-Chu	(State/Country)	Taiwan, ROC
Doot Office Addr	966.	4F No 67 Gwang-Cheng Rd Shung-Thi	Bau-Sun Village Hsin-Chi	ı. Taiwan, R.O.C.

Atty. Dkt. No.: LAM1P152/P0692

DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

				Attorney's Docket No. LAM1P1	52/P0692
As a below-named inv	entor, I hereby	declare that:			
My residence, post off	ice address and	d citizenship are as state	d below next to my name.		
plural names are listed	d below) of the	e subject matter which	ly one name is listed below is claimed and for which a <u>DIELECTRICS</u> , the specif	w) or an original, first and joint in patent is sought on the invention ication of which,	nventor (if n entitled:
(check one)	1. 🛭 i	s attached hereto.			
	1	U.S. Application No			
		International PCT Appl	ication No.		
I hereby state that I amended by any amer	have reviewed	I and understand the co	ontents of the above-ident	ified specification, including the	claims, as
I acknowledge the du 37, CFR § 1.56.	ty to disclose	information which is m	aterial to the examination	of this application in accordance	with Title
Prior Foreign Appli	cation(s)				
for patent or inventor than the United Stat	r's certificate, es, listed belo	or § 365(a) of any PCT ow and have identified	International application below, by checking the	(d) or § 365(b) of any foreign ap which designated at least one co box, any foreign application fo that of the application on which Priority Benefits Cl	ountry other or patent or o priority is
(Application No.)		(Country)	(Filing Date)	Yes No	
(Application 140.)		(Country)	(Tring Date)	Yes No	
(Application No.)	,	(Country)	(Filing Date)	103 110	
Provisional Applica	tion(s)				
I hereby claim the be	enefit under 35	U.S.C. §119(e) of any	United States provisional a	pplication(s) listed below:	
(Application No.)		(Filing Date)			
(Application No.)		(Filing Date)			

Atty. Dkt. No.: LAM1P152/P0692

(Revised 3/29/99)

Page 1 of 3

Prior U.S. Application(s)

(Application No.)	(Filing Date)	(Status - patent	ed, pending, aban	doned)
Application No.)	(Filing Date)	(Status - patent	ed, pending, abar	idoned)
Power of Attorney				
	firm of Beyer Weaver & Thomas, pal attorneys to prosecute this applications.			
Direct Correspondence To:	Customer Numb BEYER WEAVER & TH P.O. Box 778 Berkeley, CA 9470	OMAS, LLP		
Direct Telephone Calls To:	Michael Lee at telep	ohone number (831	655-2300	
pelief are believed to be true; ike so made are punishable b	ments made herein of my own know and further that these statements we by fine or imprisonment, or both, un nay jeopardize the validity of the app	re made with the kn der section 1001 of	owledge that will Title 18 of the U	ful false statements an nited States Code, and
pelief are believed to be true; ike so made are punishable buch willful false statements numbers. Typewritten Full Name of	and further that these statements we by fine or imprisonment, or both, un	re made with the kn der section 1001 of plication or any pate	owledge that will Title 18 of the U	ful false statements an nited States Code, and
pelief are believed to be true; ike so made are punishable be buch willful false statements number of Sole or First Inventor:	and further that these statements we by fine or imprisonment, or both, un- nay jeopardize the validity of the app	re made with the kn der section 1001 of plication or any pate	owledge that will Title 18 of the U nt issuing thereon	ful false statements an nited States Code, and
relief are believed to be true; ike so made are punishable be buch willful false statements numbers of sole or First Inventor:	and further that these statements we by fine or imprisonment, or both, un- nay jeopardize the validity of the app	re made with the kn der section 1001 of plication or any pate Citiz	owledge that will Title 18 of the U issuing thereon enship:	ful false statements an nited States Code, and
belief are believed to be true; like so made are punishable be such willful false statements number of the sole or First Inventor: Inventor's signature:	and further that these statements we by fine or imprisonment, or both, un- nay jeopardize the validity of the app CHOK W. HO	re made with the kn der section 1001 of plication or any pater Citiz	owledge that will Title 18 of the U at issuing thereon enship: of Signature: e/Country)	ful false statements an nited States Code, and . USA CA/USA
belief are believed to be true; like so made are punishable be such willful false statements in Typewritten Full Name of Sole or First Inventor: Inventor's signature: Residence: (City)	and further that these statements we by fine or imprisonment, or both, unnay jeopardize the validity of the appointment. CHOK W. HO Milpitas 372 Meadowhaven Way,	cre made with the kn der section 1001 of plication or any pater Citiz Date (State Milpitas, Cal	owledge that will Title 18 of the U at issuing thereon enship: of Signature: e/Country) ifornia 950	ful false statements an nited States Code, and . USA CA/USA
belief are believed to be true; like so made are punishable be such willful false statements in Typewritten Full Name of Sole or First Inventor: Inventor's signature: Residence: (City) Post Office Address: Typewritten Full Name of	and further that these statements we by fine or imprisonment, or both, unnay jeopardize the validity of the appointment. CHOK W. HO Milpitas	cre made with the knder section 1001 of plication or any pater. Citiz Date (State Milpitas, Cal	owledge that will Title 18 of the U at issuing thereon enship: of Signature: e/Country)	ful false statements an nited States Code, and USA CA/USA

Atty. Dkt. No.: LAM1P152/P0692

Page 2 of 3

9F, No. 310, Lane 1050, Ming-Hu Rd., Hsin-Chu, Taiwan, R.O.C.

(Revised 3/29/99)

Post Office Address:

Third Inventor:		CHUNG-JU LEE	Citizenship:	Taiwan
Inventor's sign	ature:		Date of Signature:	
Residence:	(City)	Hsin-Chu	(State/Country)	Taiwan, ROC
Post Office Add	ress:	4F. No. 67, Gwang-Cheng Rd., S	hung-Thi, Bau-Sun Village, Hsin-	Chu, Taiwan, R.O.C.

Atty. Dkt. No.: LAM1P152/P0692

DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. <u>LAM1P152/P0692</u>

As a below-named in	nventor, I hereb	y declare that:	<u> </u>				
My residence, post c	office address a	nd citizenship ar	e as stated b	elow ne	ext to my name.		
I believe that I am the plural names are list USE OF AMMONIA	ted below) of t	he subject matte	r which is c	laimed	and for which a pate	an original, first and ent is sought on the i on of which,	joint inventor (if nvention entitled:
(check one)	1. 🛚	is attached here	to.				
	2.						
	3.						
		and was amend	led on			·	
I hereby state that amended by any am	I have reviewe endment referr	ed and understared to above.	nd the conte	ents of	the above-identified	specification, includ	ing the claims, as
I acknowledge the 37, CFR § 1.56.	duty to disclos	e information wl	hich is mate	rial to t	he examination of th	is application in acc	ordance with Title
Prior Foreign App	olication(s)						
for patent or invent than the United St inventor's certifica	tor's certificate tates, listed be	, or § 365(a) of low and have i	any PCT Indentified be	iternatio	nal application which checking the box,	r § 365(b) of any for th designated at least any foreign applica of the application or	one country other
claimed:				•		Priority Bene Yes No	efits Claimed?
(Application No.)		(Country)			(Filing Date)	103 110	
						Yes No	
(Application No.)		(Country)			(Filing Date)		
Provisional Appli	cation(s)						
I hereby claim the	benefit under 3	5 U.S.C. §119(e) of any Uni	ted Stat	es provisional applic	ation(s) listed below:	
(Application No.)		(Filir	ng Date)	-			
(Application No.)		— (Filin	ng Date)				

Atty. Dkt. No.: LAM1P152/P0692

Prior U.S. Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)	(Filing Date)	(Status - patented, pending, abando	ned)
(Application No.)	(Filing Date)	(Status - patented, pending, abando	ned)
Power of Attorney			
And I hereby appoint the law fi Number 022434 as my princip. Office connected therewith.	irm of Beyer Weaver & Thoma al attorneys to prosecute this app	s, LLP and all practitioners who are association and to transact all business in the	iated with the Customer Patent and Trademark
Direct Correspondence To:	Customer Num BEYER WEAVER & 7 P.O. Box 7 Berkeley, CA 94	THOMAS, LLP	
Direct Telephone Calls To:	Michael Lee at tel	lephone number (831) 655-2300	
belief are believed to be true; a like so made are punishable by such willful false statements ma Typewritten Full Name of	and further that these statements was fine or imprisonment, or both, way jeopardize the validity of the a	owledge are true and that all statements mere made with the knowledge that willful under section 1001 of Title 18 of the Unite application or any patent issuing thereon.	false statements and the
Sole or First Inventor:	CHOK W. HO		
Inventor's signature:		Date of Signature:	
Residence: (City)	Milpitas	(State/Country)	CA/USA
Post Office Address:	372 Meadowhaven Way, M	filpitas, California 95035	
Typewritten Full Name of Second Inventor:	KUO-LUNG TANG	Citizenship:	Taiwan
Inventor's signature:		Date of Signature:	
Residence: (City)	Hsin-Chu	(State/Country)	Taiwan/ROC
Post Office Address:	9F, No. 310, Lane 1050, M	ing-Hu Rd., Hsin-Chu, Taiwan, R.O.C.	

Atty. Dkt. No.: LAM1P152/P0692

Page 2 of 3

Third Inventor:	CHUNG-JU LEE	Citizenship:	<u> Faiwan</u>
Inventor's signature:	Chung-Tu LET	Date of Signature: <u>Fiel</u>	12/01
Residence: (City)	Hsin-Chu	·	Taiwan, ROC
D Office Address:	4F No 67 Gwang-Cheng Rd Shung-	hi Bau-Sun Village, Hsin-Chu.	Taiwan, R.O.C.

Atty. Dkt. No.: LAM1P152/P0692

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: HO et al.

Attorney Docket No.:

LAM1P152D1/P0692D

Application No.: Filed Herewith

Examiner: Unassigned

Filed: Herewith

Group: Unassigned

Title: USE OF AMMONIA FOR ETCHING

ORGANIC LOW-K DIELECTRICS

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on January 21, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number ER562285880US, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sue Funchess

ASSOCIATE POWER OF ATTORNEY

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned attorney of record in the subject patent application hereby grants an Associate Power of Attorney to add Jeffrey J. Brooks, Registration No. 35,834 and Michael Brandt, Registration No. 39,119, both of Lam Research Corporation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please send all correspondence for this application as follows:

Customer Number 022434 BEYER WEAVER & THOMAS, LLP P.O. Box 778 Berkeley, CA 94704-0778

Please direct any calls to Michael Lee at (831) 655-2300.

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

Michael Lee

Reg. No. 31,846

P.O. Box 778 Berkeley, CA 94704-0778 (831) 655-2300